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AI

Claims:

1. A method of processing a query in a system in an object oriented programming environment, comprising:
using a code to create a condition filter in a standard query language statement, the condition filter defining properties to be satisfied by a result of the query, and the condition filter using an object to execute a precompiled query language statement; and
sending the standard query language statement to a database.
2. The method of processing a query according to claim 1, wherein data values in the condition filter are replaced with '?' and a corresponding data value list is created.
3. The method of processing a query according to claim 1, wherein the code includes a tree data structure.
4. The method of processing a query according to claim 1, wherein the code includes LIKE, AND, and OR operators.

5. The method of processing a query according to claim 1, wherein the code includes one of IS NULL and IS NOT NULL functions.

6. The method of processing a query according to claim 1, wherein the code includes one of UPPER, LOWER, and INITCAP functions.

7. The method of processing a query according to claim 1, wherein the code comprises TO_DATE function.

8. The method of processing a query according to claim 1, wherein the code has parameters and none of the parameters is null.

9. A method of processing a query in a system in an object oriented programming environment, comprising:

using an application programming interface (API) to create a standard query language (SQL) WHERE clause statement in a SQL statement and to pass the SQL WHERE clause statement to a persistent object framework (POF); and

sending the SQL statement to a database,

wherein the SQL WHERE clause statement includes a condition filter and uses a PreparedStatement object.

10. The method of processing a query according to claim 9, wherein data values in the SQL WHERE clause statement are replaced with "?" and a corresponding data value list is created.

11. The method of processing a query according to claim 9, wherein the API includes a tree data structure.

12. An application programming interface (API) for a database query system in an object oriented programming environment, the application programming interface adapted to effect the steps comprising:

creating a condition filter for a standard query language (SQL) WHERE clause statement; and

passing the condition filter to a persistent object framework, wherein the SQL WHERE clause statement uses a PreparedStatement object to request a query.

13. The API according to claim 12, wherein data values in the condition filter for a SQL WHERE clause statement are replaced with "?" and a corresponding data value list is created.

14. A computer program product comprising a computer useable medium having computer readable code embodied therein for a database query, the computer program product adapted to effect the steps comprising:

making a connection with a database;

using a code to create a condition filter in a standard query language statement, the condition filter defining properties to be satisfied by a result of the query, and the condition filter using an object to execute a precompiled query language statement; and

sending the standard query language statement to the database.

15. The computer program product according to claim 14, wherein data values in the condition filter are replaced with "?" and a corresponding data value list is created.

16. The computer program product according to claim 14, wherein the code includes a tree data structure.

17. The computer program product according to claim 14, wherein the code includes LIKE, AND, and OR operators.

18. The computer program product according to claim 14, wherein the code includes one of IS NULL and IS NOT NULL functions.

19. The computer program product according to claim 14, wherein the code includes one of UPPER, LOWER, and INITCAP functions.

20. The computer program product according to claim 14, wherein the code includes TO_DATE function.

21. The computer program product according to claim 14, wherein the code has parameters and none of the parameters is null.

22. A computer program product comprising a computer useable medium having computer readable code embodied therein for a database query, the computer program product comprising:

means for using a code to create a condition filter in a standard query language statement;

means in the condition filter for defining properties to be satisfied by a result of the query; and

means in the condition filter for using an object to execute a precompiled standard query language statement.

23. The computer program product according to claim 22, wherein data values in the condition filter are replaced with '?' and a corresponding data value list is created.

24. The computer program product according to claim 22, wherein the code includes a tree data structure.